

[Patent Playties](#)**JP63069149A2: REFORMATION OF POLYMER
SOLID ELECTROLYTE**[View Images \(1 pages\)](#)

Country: JP Japan

Kind:

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Inventor's Dates: March 29, 1988 / Sept. 10, 1986

Application Number: JP1986000211558

IPC Class:

Abstract:

Purpose: To obtain a polymer solid electrolyte stable against lithium by conducting a plasma treatment to the surface of a vapor deposition film comprising polyethylene oxide and a lithium salt.

Constitution: Polyethylene oxide and lithium sulfide are placed on separate deposition source boats, and they are vacuum deposited by a resistance heating method. A plasma treatment such as sputter etching and sputtering of ion conductive material is conducted to the surface of the vacuum deposition film. By this process, a polymer solid electrolyte which is stable against lithium and has high ion conductivity can be obtained.

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